

Notice of Allowability

Application No.

10/026,850

Examiner

Lina Yang

Applicant(s)

DUGAN ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/13/2005.

2. ☒ The allowed claim(s) is/are 1-26.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some* c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

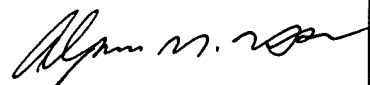
5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____

7. ☐ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____


ALPUS H. HSU
PRIMARY EXAMINER

DETAILED ACTION

1. This communication is in response to applicant's 9/13/2005 Amendment. Claims 1-26 are pending.

Response to Arguments

2. Applicant's arguments, see pages 11-13, filed 9/13/2005, with respect to claims 11-18 have been fully considered and are persuasive. The 35 U.S.C 101 Statutory Double Patenting rejections of claims 11-18 have been withdrawn.

Allowable Subject Matter

3. Claims 1-26 are allowed.

The following is an examiner's statement of reasons for allowance.

The subject matter of claims 1-10 is allowable over prior art of record, because all prior arts fail to teach or suggest an apparatus for managing resources in a telecommunications system employing an intelligent distributed network architecture with an intelligent data network architecture node. More specifically, the intelligent data network architecture node including: *an intelligent call processor*, a network

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management system agent coupled to the intelligent call processor; *a service layer execution environment coupled to the intelligent call processor*, and *a first resource complex coupled to the intelligent call processor*, the first resource complex including a first switch fabric.

The subject matter of claims 11-26 is allowable over prior art of record, because all prior arts fail to teach or suggest a method for managing resources in an intelligent network having one or more service nodes and each service node capable of providing one or more services. More specifically, the method comprising the steps of receiving a communications event corresponding to a requested service, the requested service to be performed at a service node; *instantiating a first set of service objects in a local execution environment at the service node based on the receiving a communications event*, the service objects being capable of performing the requested service; *tracking the availability and execution of the first set of service objects at the service node*; and *initiating instantiation of a second set of service objects in the local execution environment based on receipt of further requests for service at the node based on the status and availability of information*.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Dulman (U. S. Patent No. 5,915,008) discloses a system and method for changing advanced intelligent network services from customer premises equipment. More specifically, Dulman discloses an arrangement (apparatus and method) for enabling subscribers to use an advanced intelligent network (AIN) services to use existing customer premises equipment to remotely provision their services. Subscribers use existing customer premises equipment, such as personal computers, to locally generate transaction data corresponding to AIN services. The transaction data is stored at the customer premises site in a conventional format, such as ASCII. A call from the customer premises equipment is routed to a security access server, also referred to as a firewall server. After complying with the appropriate security protocols, the service request including the transaction data is routed by the firewall server to an access server via a packet switched network. The access server receives the service request from the customer premises equipment in the conventional format. The access server translates the service request into one or more protocols used by network elements that provide the requested service. The access server routes the translated service requests to various AIN elements as needed to implement the service request,

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for example integrated service control point (ISCP) and one or more central office switches. The disclosed arrangement is particularly effective for AIN service applications requiring user input of a large amount of transaction data, such as a portable number calling application.

Taylor et al. (U. S. Patent No. 5,537,466) discloses an intelligent communications networks. More specifically, Taylor discloses a service node is used in an intelligent communications network to provide services for customers. The node includes a service defining sub-system arranged to define a plurality of services. A first resource has a memory for storing speech segments, each segment having a corresponding identity, and a resource controller is arranged to convert a received command signal to a corresponding succession of speech segment identities for a speech announcement corresponding to the command signal. The first resource accesses the memory storing speech segments in accordance with the speech segment identities, to generate the corresponding speech segments for the speech announcement and provides an "announcement finished" signal when a last speech segment of the announcement has been generated. A switch is arranged to connect the first resource to an incoming call routed by the network to the service node. A node control is arranged to respond to an incoming call (i) to pass details of the call to the service defining sub-system for processing and queuing the call for subsequent processing if required due to already ongoing call processing, (ii) to logically connect the service defining sub-system to the

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first resource and to the switch, and (iii) to pass "announcement finished" signals from the first resource to the service defining sub-system.

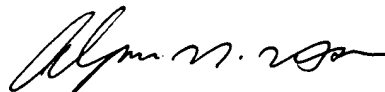
Change et al. (U. S. Patent No. 5,958,016) discloses a internet-web link for access to intelligent network service control. More specifically, Change disclose a web page type interface, which enables subscriber access to control and reporting functionalities of a communication network, such as the advanced intelligent telephone network, via a public packet data network, typically the network now commonly known as the Internet. The web page based Internet access opens the personal control of services provided by the communication network to any subscriber who also uses the Internet, for example using the subscriber's existing PC and browser software or their Web-TV terminal. A secure access platform provides the interface and communicates via a private data network with various systems used to manage the communication network. The secure access platform includes a firewall coupled between the public data network and the private data network. The firewall implements the web page interface and validates certain users of the public data network as subscribers to services of the communication network. The secure access platform also includes a web services management system, which communicates with the firewall and with the communication network management systems via the private data network. The platform enables persons surfing the web to control their services and receive various reports relating to status and/or usage of their network services.

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lina Yang whose telephone number is (571)272-3151. The examiner can normally be reached Monday through Wednesday between 8:00 a.m. and 8:00 p.m. eastern standard time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu can be reached on (571)272-3155. The fax phone number for the organization where this application or proceeding is assigned is 517-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



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ALPUS H. HSU
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